

To: Wang, Steven[wang.steven@epa.gov]
From: Angelo, Robert
Sent: Fri 9/18/2015 8:47:15 PM
Subject: FW: regression calculations for Missouri nutrient criteria
[regressions.MPJ](#)
[yearly_geomeans.xlsx](#)
[Ozark Border.MTW](#)
[Ozark Highland.MTW](#)
[Plains.MTW](#)

Hi Steve. I apparently no longer have access to Minitab and am working with the help desk to obtain a license (or temporary license), but this may take a while. Jeff asked me to provide comments on MO's proposed chl-a criteria and nutrient screening values by Monday. If possible, would you be able to open the attached files and send me some screen shots showing the summary results? Hopefully, the screen shots will give me a little insight into the state's analysis, allowing me to write some comments or at least pose a few questions. Thanks. -- Bob

From: Osborn, Mark [mailto:mark.osborn@dnr.mo.gov]
Sent: Friday, September 18, 2015 11:54 AM
To: Angelo, Robert; DeLashmit, John
Cc: Hoke, John
Subject: regression calculations for Missouri nutrient criteria

The attached files have calculations that were used in deriving screening levels for TN and TP, with Chl-a as a response variable. The regressions are based on yearly geometric means for individual lakes. The regressions are transformed one time using iteratively weighted least squares, as described in Helsel and Hirsch, on page 283.

Please let me know if you have any questions.

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